

PRIORITY

1

OUT63506

SECRET

1967 NOV 3 17 26Z

P 031634Z NOV 67
FM NPIC WASHDC
TO AIG NINE SEVEN FIVE
BT
S E C R E T CITE NPIC 2163
MISSION 61 G-990

3 NOV 67

PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF
AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-990, 1 NOV 67.

((NOTE: TEXT THAT FOLLOWS IDENTICAL WITH THAT OF PRELIMINARY
ANALYSIS OF GLASS LAMP MISSION G-990))

SECRET

END OF MESSAGE

((NOTE: ABOVE MESSAGE ALSO PASSED

DISTRIBUTION		
Qy No.	Line No.	Action
	1	PAK
	2	US
	3	
	4	SEC 1-2
	5	T-4
13	6	CSQ
	7	IPD
	8	PG
	9	PEO
	10	FSM-78
	11	T-10
	12	130-X
	13	
	14	
	15	P-43
	16	PAK X 4
	17	SP-16
	18	NSA 1-2
	19	PAK 1-2

25x1

SECRET

GROUP 1
Excluded from automatic
downgrading and
declassification

MISSION GL G-998

Approved For Release 2006/10/12 :
NOV-3D P78B03817A000900020010-3

PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF
AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-998, 1 NOV 67. OUT63506
THE NUMBER AT THE RIGHT MARGIN OF THE HEADER LINE IS THE
COMIREX TARGET NUMBER.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE
APPEARANCE OF THE TARGET ON PHOTOGRAPHY ARE AS FOLLOWS--
C (CLEAR), SC (SCATTERED CLOUD COVER), HC (HEAVY CLOUD COVER),
H (HAZE), CS (CLOUD SHADOW), SD (SEMITRANSPARENCY), GC
(GROUND COVER), CF (CAMOUFLAGE), O (OBliquity), AND
GR (GROUND RESOLUTION).

INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G (GOOD), F (FAIR), OR P (POOR). THE EXTENT OF TARGET COVERAGE IS DENOTED BY THE SYMBOLS T (TOTAL) OR PT (PARTIAL). THE MODE OF COVERAGE IS SIGNIFIED BY ST (STEREOSCOPIC), NS (NONSTEREOSCOPIC), OR PS (PARTIAL STEREO).

BY ST QSTEREO®, NS QNONSTEREO®, OR PS QPARTIAL STEREO®.
AAA DEFENSES ARE DIVIDED INTO FOUR BASIC CATEGORIES -- LIGHT
Q21-75 MM®, MEDIUM Q76-100 MM®, HEAVY OVER 100 MM®, AND AUTOMATIC
WEAPONS QZPU-1, ZPU-2, AND ZPU-4®. IF THE CATEGORY CANNOT BE
DETERMINED, THE SITE WILL BE LISTED AS AN AAA SITE AND THE NUMBER
OF GUNS INDICATED QEXAMPLE -- 6-GUN AAA SITE, OCCUPIED/UNOCCUPIED®.

MISSILES

HOLGUIN SAM SITE B27-2 CU 2052N 07627W
OB -- 6 EMPLACED LAUNCHERS Q3 WITH MISSILESH, 7 MISSILE
TRANSPORTERS Q2 WITH MISSILESH, 1 MISSILE ON DOLLY, 1
FAN SONG RADAR WITH 6 ASSOCIATED VANS, 9 ZIL-157V, AND
3 VAN TRAILERS.

~~NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.~~

HOLGUIN SAM SITE WEST CII 2851N 07627W

OB -- NONE OBSERVED.
CONSTRUCTION CONTINUES.

LA VEGUITA SAM ASSEMBLY AREA CU 2849N 87615W
08 -- 3 MISSILE TRANSPORTERS, 3 MISSILES ON DOLLIES, 4
MISSILE CANISTER TRANSPORTERS, 5 PROBABLE TRUCK
TRACTORS, 11 CARGO TRUCKS, AND AT LEAST 80 MISSILE
CANISTERS.

CANISTERS.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN FACILITIES.

LA MAYA SAM SITE A35-2 CU 2814N 87548W
OB -- 6 EMPLACED LAUNCHERS, 8 MISSILE TRANSPORTERS Q5
WITH EXPOSED MISSILES; A FAN SONG RADAR WITH 6
ASSOCIATED VAN TRAILERS; A SPOON REST RADAR WITH
GENERATOR VAN, 1 ADDITIONAL LAUNCHER, AND 3 OTHER VAN
TRAILERS.

ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN LAUNCHED AND SUPPORT FACILITIES.

25X1

28

25X1:

25X1

AIR FACILITIES
CAMAGUEY INTERNATIONAL AIRFIELD CU 2125N 07750W
OB -- 1 COKE AIRBORNE, 1 C-47, 3 COLT, AND 8 HOUND.

25X

HOLGUIN AIRFIELD CU 2047N 07618W
OB -- 3 FISHBED, 17 FAGOT/FRESCO, 2 CRATE, AND 2
PROBABLE HOUND.

25X1

LOS CANOS AIRFIELD CU 2005N 07509W
OB -- NONE OBSERVED.

25X1

ANTONIO MACEO AIRFIELD CU 1958N 07550W
OB -- NONE OBSERVED.

25X1

KAWAMA AIRFIELD CU 2387N 08117W
OB -- NONE OBSERVED.

25

NAVAL ACTIVITY/PORTS

SANTIAGO DE CUBA NAVAL BASE AND PORT CU 2001N 07550W
OB -- NONE OBSERVED.
OTHER VESSELS -- 5 FREIGHTERS.

25X

NUEVITAS PORT CU 2132N 07715W
VESSELS -- 7 LARGE FREIGHTERS.

25X1

LA ISABELA PORT FACILITIES CU 2256N 08000W
VESSELS -- 2 FREIGHTERS AND 1 COASTAL FREIGHTER.

25X1

CAIBARIEN PORT CU 2231N 07928W
VESSELS -- 1 LARGE FREIGHTER WITH BARGES ALONGSIDE.

25X1

CARDENAS PORT CU 2302N 08111W
VESSELS -- 2 LARGE FREIGHTERS.

25X1

ELECTRONICS/COMMUNICATIONS

CARDENAS RADAR FAC HICACOS PENINSULA CU 2311N 08108W
OB -- NONE OBSERVED.

25X1

SABIA LA GRANDE EW/GCI RADAR SITE 2 CU 2248N 08000W
OB -- 5 VEHICLES/PIECES OF EQUIPMENT.

25X1

MILITARY ACTIVITY

ALTO CEDRO MILITARY CAMP CU 2029N 07600W
OB -- AREA 1 -- 27 CARGO TRUCKS AND 25 PROBABLE CARGO
TRUCKS.

25X1

AREA 2 -- 4 CARGO TRUCKS.

AREA 3 -- 6 AAA PIECES AND 4 CARGO TRUCKS.

AREA 4 -- 12 TANKS/SP GUNS, 23 CARGO TRUCKS, 4 CARGO

TRAILERS, AND 4 OTHER VEHICLES/PIECES OF EQUIPMENT.

25X1

● AREA 5 -- 15 BTR-60P AND 21 OTHER VEHICLES.
● AREA 6 -- 8 PROBABLE TANKS/SP GUNS, 11 FA PIECES, AND 18 CARGO TRUCKS.
● AREA 7 -- 11 FA PIECES, 19 PROBABLE BTR-152, 9 CARGO TRUCKS, AND 6 OTHER VEHICLES.
● NO APPARENT CHANGE IN FACILITIES.

25X1

● DOS CAMINOS MILITARY CAMP CU 2814N 07547W
● OB -- 29 FA PIECES, 23 AAA PIECES, 49 CARGO TRUCKS, AND 12 OTHER VEHICLES/PIECES OF EQUIPMENT.
● NO APPARENT CHANGE IN FACILITIES.

25X1

● GUANTANAMO AREA CU 2818N 07525W
● OB -- MILITARY CAMP -- 4 PROBABLE TANKS/SP GUNS, 6 FA PIECES, 5 CARGO TRUCKS, AND 7 OTHER VEHICLES/PIECES OF EQUIPMENT AT 18QVT768243.
● QMAP REFERENCE -- AMS SERIES E-273, SHEET 5176 II, 4TH EDN.
● AREAS 1-6 AND 9 -- 98 PERCENT USEABLE COVERAGE.
● AREAS 7, 8 -- 60 PERCENT USEABLE COVERAGE.

25X1

● HOLGUIN MILITARY CAMP EAST CU 2853N 07613W
● OB -- MAIN CAMP -- 6 TANKS/SP GUNS, 48 FA PIECES, 37 AAA PIECES, 23 MORTARS, 18 BTR-60P, 88 CARGO TRUCKS, 2 UTILITY TRUCKS, AND 5 OTHER VEHICLES/PIECES OF EQUIPMENT.
● CAMP 2.2 NM SE -- 6 FA PIECES, 13 CARGO TRUCKS, AND 10 OTHER VEHICLES/PIECES OF EQUIPMENT.
● NO APPARENT CHANGE IN FACILITIES.

25X1

● HOLGUIN MILITARY CAMP NORTH CU 2857N 07616W
● OB -- 3 TANKS/SP GUNS, 5 FA PIECES, AND 27 CARGO TRUCKS.
● NO APPARENT CHANGE IN FACILITIES.

25X1

● CORRALILLO MILITARY AREA CU 2381N 08038W
● OB -- 6 TANKS/SP GUNS, 15 CARGO TRUCKS, AND 22 OTHER VEHICLES.
● NO APPARENT CHANGE IN FACILITIES.

25X1

● MARTI ARMOR TRAINING AREA CU 2258N 08059W
● OB -- 8 TANKS/SP GUNS AND 1 CARGO TRUCK.
● NO APPARENT CHANGE IN FACILITIES.

25X1

● OFELIA MILITARY CAMP CU 2806N 07538W
● OB -- 16 TANKS/SP GUNS, 2 FA PIECES, 4 AAA PIECES/MORTARS, 2 TRACKED PRIME MOVERS, 38 CARGO TRUCKS, AND 6 UTILITY TRUCKS.
● ACTIVITY -- 4 OCCUPIED 6-GUN AAA SITES.

25X1

PUERTO PADRE MILITARY AREA Approved For Release 2006/10/12 : CIA-RDP78B03817A000900020010-3
OB -- 17 TANKS/SP GUNS, 17 FA PIECES, 4 POSSIBLE AAA
PIECES, AND 24 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1

LA CHARCA MILITARY ACTIVITY CU 2246N 08836W
OB -- 13 FA PIECES, 12 MORTARS, 2 PROBABLE BTR-60P, 15
POSSIBLE BTR-152, 56 CARGO TRUCKS, 1 TRUCK-MOUNTED
CRANE, AND 23 OTHER VEHICLES.
ACTIVITY -- 2 OCCUPIED 6-GUN AAA SITES.
NO APPARENT CHANGE IN FACILITIES.

25X1

CAMAGUEY MILITARY TRAINING AREA NORTH CU 2131N 87753W
OB -- 15 TANKS/SP GUNS, 1 PROBABLE BTR-50P, 18 CARGO
TRUCKS, 2 UTILITY TRUCKS, AND 2 OTHER VEHICLES AT UTM
18QTU025799 AND 11 TANKS/SP GUNS, 3 PROBABLE TANKS/SP
GUNS, 12 BTR-50P, 6 BTR-60P, 3 CARGO TRUCKS, AND 1
OTHER VEHICLE AT UTM 18QTU023788.
QMAP REFERENCE -- AMS SERIES E723, SHEET 4680 III, 2D
EDN.

25X1

-STATUS OF OTHER TARGETS-
THE FOLLOWING TARGETS SHOW NO APPARENT CHANGE SINCE LAST COVERAGE--

HOLGUIN AW RADAR FACILITY	2848N 07618W
PAIN SERA RDR SITE PUNTA DE MULAS	2101N 07535W
SIBONEY LANDING BEACH	1957N 07542W
PLAYA YATERITAS LANDING BEACH	1958N 07457W
NICARO LANDING BEACH	2042N 07533W
IMIAS LANDING BEACH	2005N 07448W
GANUZA LANDING BEACH	2305N 08038W
CAYO DE SABINAL LANDING BEACH	2144N 07728W
PENINSULA DE HICACOS LANDING BEACH	2311N 08130W

THE FOLLOWING TARGETS COULD BE IDENTIFIED BUT NOT INTERPRETED--

HOLGUIN AIRFIELD SAM SITE	2846N 07619W
RANCHUELO SAM SITE A33-2	2223N 08010W
SANTA CLARA SAM SITE A34-2	2229N 08008W
SANTIAGO DE CUBA SAM SITE A23-2	1959N 07550W
SANTIAGO DE CUBA SAM ASSEMBLY AREA	2004N 07553W
SANTIAGO DE CUBA SAM SITE 2	1958N 07549W
SANTA ISABEL DE LAS LAJAS SAM SITE A35-2	2228N 08018W
SAN PEDRO DE CACOCUM SAM SITE A06-2	2045N 07615W
SANTIAGO SAM TRAINING AREA	1958N 07551W
CAMILO CIENFUEGOS AIRFIELD	2229N 07956W
SANTIAGO DE CUBA AW RADAR FAC	1959N 07551W
SAN MIGUEL EW/GCI RADAR SITE	2229N 07953W
REMEDIOS MILITARY CAMP NW	2227N 07935W
SANTIAGO MILITARY CAMP CUABITAS	2003N 07548W
EL CRISTO MILITARY INSTALLATION	2010N 07547W
SANTIAGO MILITARY CAMP LA QUINTA	2002N 07550W

25X1

SANTIAGO DE CUBA MILITARY BKS NW 2003N 07554W
SANTIAGO DE CUBA MILITARY CAMP NW 2003N 07554W For Release 2006/03/01: 07554W78B03817A000900020010-3
SANTIAGO DE CUBA MIL CAMP SAN JUAN HILL 2001N 07547W
MATANZAS LANDING BEACH 2301N 08126W
MOA PUNTA GORDA LANDING BEACH 2039N 07453W
MOA CANANOVA LANDING BEACH 2039N 07502W
SANTIAGO MIL CAMP SW EARTH-COVERED BUNKER 1959N 07550W